

The Western Journal of Medicine

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The Western Journal of Medicine

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1. Location of known office of publication: 221 Main Street, 3rd Floor, San Francisco, California 94105.
2. Location of the headquarters or general business office of the publisher: 221 Main Street, 2nd Floor, San Francisco, California 94105.
3. Publisher: California Medical Association, 221 Main Street, 2nd Floor, San Francisco; Editor, Malcolm S. M. Watts, M.D., 221 Main Street, 3rd Floor, San Francisco; Managing Editor, Diana McAninch, 221 Main Street, 3rd Floor, San Francisco.
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**Applications Invited for Board Certification**

A time limited **grandfathering** is presently in effect until December 1991. Three levels of certification are available: "Diplomate," "Fellow," and "Clinical Associate," depending upon amount and type of education and work experience in fields related to pain management.

Physicians, dentists, psychologists, and other health care providers who have been granted a doctorate from an accredited university and who have two years of approved clinical experience may apply for the **Diplomate Credential**.

Individuals trained at the Masters level in related health care disciplines with two years of approved experience may apply for the **Fellow Credential**.

Individuals with a Baccalaureate Degree or its equivalent and five years of experience may apply for the **Clinical Associate Credential**. All applicants must have significant work experience in pain management.

During the grandfathering period, educational degrees earned from accredited training programs and relevant professional work experience will be considered. The Board will review applications on an individual case basis for appropriateness. Certification is dependent upon adherence to the ethical standards of the Academy. Certified providers must demonstrate ongoing professional development.

Please send me an application form and information packet.

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The Western Journal of Medicine

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Affiliated Specialty Society: California Society of Internal Medicine.

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SUBMITTING MANUSCRIPTS

Manuscripts for consideration should be sent to the editor, Malcolm S. M. Watts, MD, PO Box 7602, San Francisco, CA 94120-7602.

"Information for Authors"—A complete guide to manuscript submission and WJM style appears in the January and July issues. Manuscripts may be prepared in accordance with the "Uniform Requirements for Manuscripts Submitted to Biomedical Journals" (*Annals of Internal Medicine*, Feb 1988; *The Medical Journal of Australia*, Feb 1988).

Author Responsibility—Authors are responsible for all statements, conclusions and methods of presenting subjects. Articles are accepted on condition that they are contributed solely to this journal.

Allow six weeks for subscriptions to begin. Past issues must be bought individually. So long as reserve stocks are available, missing issue requests from subscribers are honored for up to six months after the issue date. Thereafter, the single copy rate of \$4.50 is applicable for each issue available.

Change of Address—Requests for change of address should give both the old and new address. Allow six weeks for changeover.

Manuscripts—Ordinarily manuscripts should not exceed 3,000 words (less than 15 typed double-spaced pages). The original manuscript and two copies should be submitted, typed double-spaced throughout. If photographic illustrations are desired, three sets of clear, unmounted black and white glossy prints should be supplied. For line drawings, original artwork or glossy prints are acceptable. Tables should be typed on separate sheets of paper.

Clinical Investigation—Papers that authors wish considered for the Clinical Investigation section should be so designated in the transmittal letter. Such papers should describe experimental work in humans that extensively and prospectively examines scientific hypotheses relating to disease.

PUBLISHER

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Continuing Medical Education

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ARIZONA

The following list of continuing medical education programs in Arizona is compiled by the Arizona Medical Association. All courses listed have been certified as meeting the criteria for Category I of the ArMA CME Certificate and the AMA Physicians Recognition Award. To list Category I continuing medical education programs, please send information to Arizona Medical Association, 810 West Bethany Home Road, Phoenix, AZ 85013; or phone (602) 246-8901.

Brochures and registration forms are available from the contact person or organization sponsoring the program.

December 3-4—**Annual Meeting of the Arizona Chapter of the American College of Surgeons.** Rancho de los Caballeros, Wickenburg. Sat-Sun. Contact: Lee Ansel, MD, Program Chairman, (602) 251-3131.

January 13-14—**Geriatrics in a Changing Society.** Scottsdale. Fri-Sat. Contact: Jean Kiernat, Institute of Gerontology, (602) 239-5844.

CONTACT INFORMATION

ArMA—Contact: Arizona Medical Association, 810 W. Bethany Home Rd, Phoenix, AZ 85013. (602) 246-8901.

U of A—Contact: University of Arizona College of Medicine, Arizona Health Sciences Center, Tucson, AZ 85724. (602) 626-6707.

CALIFORNIA, HAWAII, AND NEVADA

This listing of continuing education programs in California, Hawaii, and Nevada is supplied by the Committee on Continuing Medical Education of the California Medical Association. All courses and meetings listed have been approved for Category I credit toward the CMA Certificate in Continuing Medical Education. To have accredited courses listed here, please send information at least two months in advance to Department of Continuing Medical Education, California Medical Association, PO Box 7690, San Francisco 94120-7690; or phone (415) 541-0900. For a list of organizations approved for Category I credit toward the CMA Certificate in Continuing Medical Education or for more information on accreditation or certification, please write to the above address.

ANESTHESIOLOGY

January 15-20—**Hawaiian Seminar on Clinical Anesthesia.** California Society of Anesthesiologist at Sheraton Kauai Hotel, Poipu Beach, Kauai. Sun-Fri. 20 hrs. \$325. Contact: CSA, 1065 E Hillsdale Blvd, Ste 410, Foster City 94404. (415) 345-3020.

January 29-February 3—**Clinical Update in Anesthesiology.** Tucson Hospitals Medical Education Program at Stouffer's Wailea Beach Resort, Maui, Hawaii. Sun-Fri. Contact: Murray G. Atnikov, MD, c/o Box F110-63, Blaine, WA 98230. (604) 874-5291.

February 4-10—**Clinical Update in Anesthesiology.** Biennial Western Conference on Anesthesiology at Stouffer's Wailea Beach Resort, Maui, Hawaii. Sat-Sun. Contact: Murray G. Atnikov, MD. (604) 874-5291.

January 27-28—**Coronary Heart Disease Update.** Embassy Suites Hotel, Scottsdale. Fri-Sat. Contact: Deborah Wilderson, Medical Education Resources, 1 (800) 421-3756.

January 27-29—**Mammography and the Search for Breast Cancer.** Wyndham Paradise Valley Resort, Scottsdale. Fri-Sun. Contact: Tess Wade, Breast Clinic of Rochester, (716) 442-8969.

February 10-15—**Laser and Stent Therapy in Vascular Disease: International Congress II.** The Phoenician Resort, Scottsdale. Fri-Wed. Contact: Becky Bowman, Congress Coordinator, (602) 955-1000.

February 22-24—**12th Annual Mid-Winter Symposium in OB/GYN.** Scottsdale Hilton Hotel, Scottsdale. Wed-Fri. Contact: Phoenix OB/GYN Society, (602) 266-6321.

February 24-26—**Arizona Academy of Family Physicians Annual Scientific Assembly.** Wyndham Paradise Valley Resort, Scottsdale. Fri-Sun. Contact: Shay Southwick, AzAFP, (602) 249-2021.

February 28-March 3—**Pediatric Update 1989.** La Posada Resort Hotel, Scottsdale. Tues-Fri. Contact: Barbara Bengtson, Phoenix Children's Hospital, (602) 239-4350.

March 4-8—**Third Annual Magnetic Resonance Imaging Conference.** Camelback Inn Resort, Scottsdale. Sat-Wed. Contact: Kevin King, Barrow Neurological Institute, (602) 285-3956.

March 9-11—**Current Management of Central Nervous System Tumors.** Camelback Inn Resort, Scottsdale. Thurs-Sat. Contact: Toby Jardine, Barrow Neurological Institute, (602) 285-3178 or 1-800-BARROW-1.

February 27-March 2—**17th Obstetric Anesthesia Conference.** Dept of Anesthesiology Ohio State at Sheraton Waikiki Hotel, Hawaii. Mon-Thurs. Contact: Arlene Rogers, Ohio State University Hospitals, Dept of Anesthesiology, 410 W 10th Ave, Columbus, OH 43210. (614) 293-8487.

March 16-19—**Obstetrical Anesthesia: 1989.** UCSF at Hotel Meridien, San Francisco. Thurs-Sun. Contact: Anita Edgecombe, UCSF, C 450, Box 0648, San Francisco 94143-0648. (415) 476-2273.

CARDIOLOGY

January 19-21—**Cardiology 89: New Pharmacology, New Procedures, New Pacemakers.** Scripps Memorial Hospital Cardiovascular Institute at La Jolla Marriott Hotel. Thurs-Sat. 16 hrs. \$300. Contact: Nancy Donegan, Deverman & Associates, 7777 Alvarado Rd, Ste 280, La Mesa 92041. (619) 668-9091.

February 24-25—**Arrhythmias: Interpretation, Diagnosis and Management.** Medical Education Resources at Bally's Grand Hotel, Las Vegas. Fri-Sat. Contact: Deborah Wilderson, Educational Coordinator, Division of CME, 5808 S Rapp St, Ste 202, Littleton, CO 80120. (800) 421-3756.

March 10-11—**Risk Factors for Cardiovascular Disease: Lipids, Diabetes and Hypertension.** UCSF at Holiday Inn Union Square, San Francisco. Fri-Sat. \$200. Contact: UCSF.

March 16-18—**Arrhythmias: Interpretation, Diagnosis and Management.** Medical Education Resources at Westin Maui Hotel. Thurs-Sat. Contact: Deborah Wilderson, Educational Coordinator, Division of CME, 5808 S Rapp St, Ste 202, Littleton, CO 80120. (800) 421-3756.

March 31-April 1—**Coronary Heart Disease Update.** Medical Education Resources at Caesar's Palace, Las Vegas. Fri-Sat. Contact: Deborah Wilderson, Educational Coordinator, Division of CME, 5808 S Rapp St, Ste 202, Littleton, CO 80120. (800) 421-3756.

May 12-13—**Arrhythmias: Interpretation, Diagnosis and Management.** Medical Education Resources at Sheraton Fisherman's Wharf. Fri-Sat. Contact: Deborah Wilderson, Educational Coordinator, Division of CME, 5808 S Rapp St, Ste 202, Littleton, CO 80120. (800) 421-3756.

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CONTINUING MEDICAL EDUCATION

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June 16-17—**Coronary Heart Disease.** Medical Education Resources at Hyatt Lake Tahoe. Fri-Sat. Contact: Deborah Wilderson, Educational Coordinator, Division of CME, 5808 S Rapp St, Ste 202, Littleton, CO 80120. (800) 421-3756.

EMERGENCY MEDICINE

December 4-9—**Current Concepts in Emergency Care.** Institute for Emergency Medical Education at Royal Lahaina Resort, Maui, Hawaii. Sun-Fri. 25 hrs. Contact: Georgine Elich, Kailani World Travel, 4192 Meridian Ave, Bellingham, WA 98226. (800) 524-5264.

December 5-9—**Postgraduate Institute for Emergency and Primary Care Physicians, Symposium II & Optional Advanced Emergency Procedures Laboratory.** UCSD. Mon-Fri. 32 hrs. \$450. Contact: UCSD.

January 16-20—**Postgraduate Institute for Emergency and Primary Care Physicians and Optional Advanced Emergency Procedures Laboratory.** UCSD at San Diego Marriott Hotel & Marina. Mon-Fri. \$450. Contact: UCSD.

January 26-30—**Emergency Medicine: A Critical Appraisal—Series II.** Emergency Medical Abstracts at Maui Marriott, Maui, Hawaii. Thurs-Mon. 20 hrs. \$375. Contact: Bob Coswill, Premier Conference Group, 5010 Edenhurst Ave, Los Angeles 90039. (800) 243-5976.

January 27-29—**Advanced Cardiac Life Support.** CPR Seminars at Ralph K. Davies Medical Center, San Francisco. Fri-Sun. Contact: CPR Seminars, 833 Market St, Ste 421, San Francisco 94103. (415) 543-7282.

February 19-24—**Emergency Medicine.** UCD. Sun-Fri. Contact: UCD.

KEY TO ABBREVIATIONS

- CMA:** California Medical Association
Contact: Continuing Medical Education, California Medical Association, PO Box 7690, San Francisco 94120-7690. (415) 541-0900.
- DREW:** Charles R. Drew Postgraduate Medical School
Contact: Herbert M. Thomas, MD, MPH, Director of CME, Office of Continuing Education, Charles R. Drew Postgraduate Medical School, 1621 East 120th Street, Los Angeles 90059. (213) 603-3183.
- LLU:** Loma Linda University
Contact: James J. Couperus, MD, Associate Dean for Educational Affairs, Loma Linda University School of Medicine, Loma Linda 92350.
- PMC:** Pacific Medical Center
Contact: Continuing Education, Pacific Medical Center, PO Box 7999, San Francisco 94120. (415) 563-4321, ext 2761.
- STAN:** Stanford University
Contact: Edward Rubenstein, MD, Associate Dean for Postgraduate Education, Medical School Office Building, Suite X-365, Stanford 94305-6114. (415) 723-5594.
- UCD:** University of California, Davis
Contact: Ruth Feryok, Director, Office of Continuing Medical Education, University of California, Davis, School of Medicine, 2701 Stockton Boulevard, Sacramento 95817. (916) 453-5390.
- UCI:** University of California, Irvine
Contact: Melvin I. Marks, MD, Assistant Dean, University of California, Irvine, California College of Medicine, c/o UCI/CME Program, Memorial Medical Center, 2801 Atlantic Avenue, Long Beach 90801-1428. (213) 595-3811, or (714) 856-5414, UCI Extension.
- UCLA:** University of California, Los Angeles
Contact: Martin D. Shickman, MD, Director, Continuing Education in Medicine and the Health Sciences, PO Box 24902, UCLA, Los Angeles 90024. (213) 825-7186.
- UCSD:** University of California, San Diego
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- UCSF:** University of California, San Francisco
Contact: Robert Maggio, Administrative Director, Extended Programs in Medical Education, School of Medicine, University of California, San Francisco 94143. (415) 476-4251.
- USC:** University of Southern California
Contact: Phil R. Manning, MD, Associate Dean, Postgraduate Division, University of Southern California School of Medicine, 1975 Zonal Ave, KAM314, Los Angeles 90033. (213) 224-7051.

March 2-5—**Emergency Medicine: A Critical Appraisal—Series II.** Emergency Medical Abstracts at Sheraton Universal, Los Angeles. Thurs-Sun. 20 hrs. \$375. Contact: Bob Coswill, Premier Conference Group, 5010 Edenhurst Ave, Los Angeles 90039. (800) 243-5976.

March 20-24—**Postgraduate Institute for Emergency and Primary Care Physicians, Symposia I, II, III and Optional Advanced Emergency Procedures Laboratory.** UCSD. Mon-Fri. \$450. Contact: UCSD.

May 1-5—**Postgraduate Institute for Emergency and Primary Care Physicians, Symposia I, II, III and Optional Advanced Emergency Procedures Laboratory.** UCSD at San Diego Marriott Hotel & Marina. Mon-Fri. 32 hrs. \$450. Contact: UCSD.

INTERNAL MEDICINE

November 16—**Common Musculoskeletal Problems.** VA Medical Center Sepulveda. 6 hrs. Contact: Arun J. Mehta, Rehabilitation Medicine Service (117), VA Medical Center, Sepulveda 91343. (818) 891-2473.

December 1-2—**Recent Advances in Occupational Cancer.** UCSF at Hotel Meridien, San Francisco. Thurs-Fri. \$220. Contact: UCSF.

December 30-January 8—**Medical Acupuncture for Physicians: Part II.** UCLA at Bay View Plaza Holiday Inn, Santa Monica. 10 days. 200 hrs. \$3,200. Contact: UCLA.

January 6-7—**6th Annual Reider Laser Symposium—Urology.** Center for Health Education, Long Beach. Fri-Sat. Contact: UCI.

January 19-20—**Third Urological Symposium.** Kenneth Norris Jr Comprehensive Cancer Center at Moseley-Salvatori Conference Center, Los Angeles. Thurs-Fri. 12 hrs. Contact: Louise B. Ball, Executive Secretary, PO Box J, South Pasadena 91030. (213) 680-2387.

January 21—**Innovations in Ankle Arthroscopy.** Mount Zion Hospital and Medical Center at Hyatt Union Square, San Francisco. Sat. 7.25 hrs. \$275. Contact: Mount Zion Hospital and Medical Center, PO Box 7921, San Francisco 94120. (415) 885-7270.

January 23-26—**Neurology Update.** San Diego Radiology Research and Education Foundation at San Diego Marriott Hotel and Marina. Mon-Thurs. Contact: Dawn Ryals, Ryals & Associates. (404) 641-9773.

January 25-27—**12th Annual: Neurology for Non-Neurologists.** UCSD at Holiday Inn Embarcadero, San Diego. Wed-Fri. 21 hrs. \$400. Contact: Edith S. Bookstein, NNN, PO Box 2586, La Jolla 92038. (619) 454-3212.

February 8-10—**Clinical Laboratory Molecular Analysis.** Scripps Clinic and Research Foundation at San Diego Princess Resort, San Diego. Wed-Fri. 21 hrs. Contact: Bonny Mower, Department of Academic Affairs, Box 400S, Scripps Clinic, 10666 N Torrey Pines Rd, La Jolla 92037. (619) 457-8556.

February 15-17—**22nd Annual Recent Advances in Neurology.** UCSF at Fairmont Hotel, San Francisco. Wed-Fri. 15.5 hrs. \$345. Contact: UCSF.

February 17-18—**Advances in Skin Cancer Management: A Multi-Specialty Approach.** UCSF at Ramada Renaissance Hotel, San Francisco. Fri-Sat. 10 hrs. \$250. Contact: UCSF.

February 20-22—**Clinical Hematology and Oncology: 1989.** Scripps Clinic and Research Foundation at San Diego Princess Resort. Mon-Wed. 24 hrs. \$350. Contact: Bonny A. Mower, Conference Coordinator. (619) 457-8556.

March 8-9—**Advances in Endocrinology and Metabolism.** UCSF at Holiday Inn Union Square. Wed-Thurs. 14 hrs. \$250. Contact: UCSF.

March 17-19—**Gastroenterology Update Cruise.** Center for Health Education at Queen Mary Hotel, Long Beach. Fri-Sun. Contact: Center for Health Education, PO Box 1428, Long Beach 90801-1428. (213) 595-3811.

March 21-24—**Topics in Rheumatology II.** Straub Foundation at Ilikai Hotel, Honolulu, Hawaii. Tues-Fri. 16 hrs. \$350. Contact: Juliana J. Woo, MPH, Straub Foundation, 846 S Hotel St, #302, Honolulu, HI 96813. (808) 524-6755.

June 12-16—**Advances in Internal Medicine.** UCSF at Hyatt Regency Hotel, San Francisco. Mon-Fri. 32 hrs. \$440. Contact: UCSF.

June 26-30—**Advances in Internal Medicine.** UCSF at Hyatt Regency Hotel, San Francisco. Mon-Fri. 32 hrs. \$440. Contact: UCSF.

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CONTINUING MEDICAL EDUCATION

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OB/GYN

November 13-19—**11th Annual Review Course in Clinical Obstetrics & Gynecology.** The Center for Health Education at Westin South Coast Plaza Hotel, Costa Mesa. Sun-Sat. Contact: Center for Health Education, 2801 Atlantic Ave, PO Box 1428, Long Beach 90801-1428. (213) 595-3811.

November 14-15—**Gynecological Histopathology.** Center for Health Education at Westin South Coast Plaza, Costa Mesa. Mon-Tues. 12 hrs. \$350. Contact: Center for Health Education, 2801 Atlantic Ave, PO Box 1428, Long Beach 90801-1428. (213) 595-3811.

November 16-19—**Clinical Obstetrics and Gynecology.** Center for Health Education at Westin South Coast Plaza, Costa Mesa. Wed-Sat. 22 hrs. \$450. Contact: Center for Health Education, 2801 Atlantic Ave, PO Box 1428, Long Beach 90801-1428. (213) 595-3811.

January 6-7—**6th Annual Reider Laser Symposium—Gynecology.** Center for Health Education, Long Beach. Fri-Sat. Contact: UCI.

January 16-20—**21st Review Course in Obstetrics and Gynecology.** USC at Pasadena Hilton Hotel. Mon-Fri. 38 hrs. \$595. Contact: USC.

January 29-February 2—**Ob/Gyn.** UCD at Hyatt Lake Tahoe, Incline Village, Nevada. Sun-Thurs. Contact: UCD.

ORTHOPEDICS

December 8-11—**3rd Annual Fracture Management Symposium.** UCD at Hyatt Lake Tahoe. Fri-Mon. 18 hrs. \$495. Contact: UCD.

January 21-28—**Orthopaedic Emergencies.** Scripps Memorial Hospital Encinitas at Kona Surf Resort, Kona, Hawaii. One week. 21 hrs. \$395. Contact: Edith S. Bookstein, AIPE, PO Box 2586, La Jolla 92038. (619) 454-3212.

February 12—**1989 Interim Meeting of American Orthopaedic Society of Sports Medicine.** American Orthopaedics Society for Sports Medicine at Las Vegas, Nevada. Sun. Contact: AOSSM, 70 W Hubbard St, Ste 202, Chicago, IL 60610. (312) 644-2623.

PEDIATRICS

November 30—**Challenges in Perinatology: Are We Ready for the Future?** Perinatal Advisory Council of Los Angeles Communities at Sheraton-Universal Hotel, Universal City. Wed. 6 hrs. Contact: Marianne Gray, Executive Secretary. (213) 380-1790.

December 3—**Recent Advances in the Care of Children.** UCD at Hyatt Regency, Sacramento. Sat. 8 hrs. \$125. Contact: UCD.

December 3—**7th Annual Binational Pediatric Conference.** Children's Hospital San Diego at Mercy Hospital Educational Center, San Diego. Sat. 7 hrs. Contact: Continuing Medical Education Office, Children's Hospital, 8001 Frost St, San Diego 92123. (619) 576-4072.

January 21—**Pediatric Cardiology for the Primary Care Physician.** Children's Hospital at Merritt Peralta Health Education Center, Oakland. Fri-Sat. 6 hrs. \$75. Contact: Kim I. Leadon, CME, Children's Hospital, 747-52nd St, Oakland 94609. (415) 428-3021.

January 27-29—**27th Clinical Conference in Pediatric Anesthesiology.** Pediatric Anesthesiology Foundation at Los Angeles Airport Marriott. Fri-Sun. 15 hrs. \$225. Contact: Katherine Barky, MD, Children's Hospital, PO Box 54700, Los Angeles 90054.

February 10-12—**Current Concepts in Pediatric Medicine.** Children's Hospital & Health Center at Marriott Hotel, San Diego. Wed-Fri. Contact: Children's Hospital & Health Center, Continuing Medical Education Office, 8001 Frost St, San Diego 92123. (619) 576-4072.

February 20-22—**Pediatrics Update: 1989.** Continuing Medical Education Associates at Hyatt Islandia, San Diego. Mon-Wed. 20 hrs. \$345. Contact: Jacqueline Shiller, PO Box 84296, San Diego 92138. (619) 223-2997.

February 24-25—**California Conference on Health Care for Foster Children.** Children's Hospital at Berkeley Marina Marriott Hotel. Fri-Sat. 14 hrs. \$125. Contact: Kim I. Leadon, CME, Children's Hospital, 747-52nd St, Oakland 94609. (415) 428-3021.

March 9-11—**Brain Insults in Infants and Children: Diagnosis and Modern Management.** UCSD at Holiday Inn at the Embarcadero, San Diego. Thurs-Sat. 15 hrs. \$325. Contact: Cass Jones, Meeting Management, 3770 Tansy St, San Diego 92121. (619) 453-6222.

March 17-18—**Hematology and AIDS: Neonatal & Pediatric Perspectives II.** Children's Hospital at Berkeley Marina Marriott Hotel. Fri-Sat. 12 hrs. \$160. Contact: Kim I. Leadon, CME, Children's Hospital, 747-52nd St, Oakland 94609. (415) 428-3021.

PSYCHIATRY

November 18-20—**34th Annual Group Therapy Symposium.** UCSF. Fri-Sun. Contact: UCSF.

January 22-27—**15th Annual Midwinter Program for Psychiatrists: Special Focus on Panic and Anxiety.** UCD at Hyatt Lake Tahoe, Incline Village, Nevada. Sun-Fri. 25 hrs. \$385. Contact: UCD.

January 27-29—**New Advances in Cognitive Therapy.** UCSD at San Diego Marriott Hotel and Marina. Fri-Sun. 16 hrs. \$375. Contact: Cass Jones, Meeting Management, 3770 Tansy St, San Diego 92121. (619) 453-6222.

RADIOLOGY

December 9-11—**Advanced Seminars in Diagnostic Imaging.** UCSD at Ritz-Carlton, Laguna Niguel. Fri-Sun. 18 hrs. \$395. Contact: Dawne Ryals, PO Box 920113, Norcross, GA 30092-0113. (404) 641-9773.

January 13-15—**Advanced Seminars in Diagnostic Imaging.** San Diego Radiology Research and Education Foundation at Ritz-Carlton Hotel, Laguna Niguel. Fri-Sun. 18 hrs. \$395. Contact: R. Dawne Ryals, PO Box 920113, Norcross 30092-0113. (404) 641-9773.

January 19-21—**Duplex Imaging.** San Diego Radiology Research and Education Foundation at San Diego Marriott Hotel and Marina. Thurs-Sat. Contact: Dawn Ryals, Ryals & Associates. (404) 641-9773.

January 21-22—**Workshop on Percutaneous Dissection.** San Diego Radiology Research and Education Foundation at San Diego Marriott Hotel and Marina. Sat-Sun. Contact: Dawn Ryals, Ryals & Associates. (404) 641-9773.

January 24-27—**MRI for Technologists—Symposium and Workshops.** San Diego Radiology Research and Education Foundation at San Diego Marriott Hotel and Marina. Tues-Fri. Contact: Dawn Ryals, Ryals & Associates. (404) 641-9773.

January 27-29—**41st Annual Midwinter Radiological Conference.** Los Angeles Radiological Society at Century Plaza Hotel, Los Angeles. Fri-Sun. 21 hrs. Contact: LARS, PO Box 91215, Los Angeles 90009-1215. (213) 827-9078.

January 31-February 4—**15th Annual Mid-Pacific Radiological Conference.** Los Angeles Radiological Society at Westin Kauai, Hawaii. Tues-Sat. 20 hrs. Contact: LARS, PO Box 91215, Los Angeles 90009-1215. (213) 827-9078.

February 23-25—**Advanced Seminars in Diagnostic Imaging.** San Diego Radiology Research and Education Foundation at Ritz-Carlton Hotel, Rancho Mirage. Thurs-Sat. Contact: Dawn Ryals, Ryals & Associates. (404) 641-9773.

SURGERY

December 1-4—**Bone Grafting: Biology and Application for Maxillofacial Indications.** Plastic Surgery Research Foundation at Le Meridien Hotel Coronado Bay, San Diego. Thurs-Sun. 21 hrs. \$350. Contact: PSRF, PO Box 33387, San Diego 92103. (619) 692-9115.

December 3—**Reider Laser YAG & Argon Laser/Brachytherapy Symposium.** Center for Health Education, Long Beach. Sat. 9 hrs. Contact: Center for Health Education, 2801 Atlantic Ave, PO Box 1428, Long Beach 90801-1428. (213) 595-3811.

December 3—**Summary of Clinical Use of Argon, YAG and CO2 Lasers for Cutaneous Lesions.** Palo Alto Medical Foundation at Palo Alto Medical Clinic. Sat. 6 hrs. Contact: Palo Alto Medical Clinic, 300 Homer Ave, Palo Alto 94301. (415) 321-4121.

January-July—**Temporal Bone Surgical Dissection Courses: 1989.** House Ear Institute, 5 days per month. 53 hrs. \$975. Contact: Antonio De la Cruz, MD, Director of Education, House Ear Institute, 256 S Lake St, Los Angeles 90057. (213) 483-4431.

January 13-14—**11th Annual Postgraduate Course: What's New in General Surgery.** UCD at Red Lion Motor Inn, Sacramento. Fri-Sat. Contact: UCD.

(Continued on Page 535)

CONTINUING MEDICAL EDUCATION

(Continued from Page 530)

March 9-11—**Knee Reconstruction Surgery: ACL Repair, Patella Alignment and Total Knee Replacement.** Scripps Clinic and Research Foundation at La Jolla Marriott Hotel. Thurs-Sat. 30 hrs. Contact: Bonny Mower, Conference Coordinator, Department of Academic Affairs, Box 400S, Scripps Clinic, 10666 N Torrey Pines Rd, La Jolla 92037. (619) 457-8556.

March 15-17—**Perioperative Evaluation of the Surgical Patient.** UCSF at Holiday Inn Union Square, San Francisco. Wed-Fri. 16 hrs. \$350. Contact: UCSF.

March 16-19—**Surgical Forum.** Society of Graduate Surgeons at Beverly Hilton, Beverly Hills. Thurs-Sun. Contact: Director of Medical Education, Society of Graduate Surgeons, 5820 Wilshire Blvd, Ste 500, Los Angeles 90036. (213) 937-5514.

OF INTEREST TO ALL PHYSICIANS

December 1-2—**Occupational HIV Infection: Risks and Risk Reduction.** UCSF at Le Meridien Hotel, San Francisco. Thurs-Fri. \$220. Contact: UCSF.

December 1-3—**American Back Society Fall Symposium on Back Pain.** American Back Society at Hyatt Regency, San Francisco. Thurs-Sat. 19 hrs. Contact: American Back Society, 2647 E 14th St, Ste 401, Oakland 94601. (415) 536-9929.

December 2—**Clinical Research and Addiction Studies.** Institute for Addiction Studies at Health Education Center, Oakland. Fri. \$100. Contact: Stephanie Ross, MPI/CDRH, 435 Hawthorne Ave, Oakland 94609-3081. (415) 428-4104.

December 8-9—**Advances and Controversies in the Management of Ocular and Periocular Malignancies.** UCSF at Hyatt Union Square, San Francisco. Thurs-Fri. 13 hrs. \$200. Contact: UCSF.

December 9-10—**American Academy of Pain Medicine: 5th Annual Meeting.** American Academy of Pain Medicine at Emerald Hotel, Anaheim. Fri-Sat. Contact: Dr Jack Pinsky, AAPM. (714) 634-6805.

December 14—**24th Annual Northern California Cancer Conference.** Enloe Hospital and Chico Community Hospital at The Esplanade Building, Chico. Wed. Contact: Linda Morgado, Enloe Hospital, Medical Staff Office. (916) 891-7300.

December 24-30—**Advances in Medicine.** Symposium Maui at Royal Lahaina Resort, Kaanapali Beach, Maui, Hawaii. Sat-Fri. 15 hrs. \$400. Contact: Joe Harrison, MD, PO Box 10185, Lahaina, Hawaii 96761. (808) 661-8032.

January 17-21—**Intensive Course in Geriatric Medicine.** UCLA Multi-Campus Division of Geriatric Medicine at Beverly Hilton, Beverly Hills. Tues-Sat. 34 hrs. \$265. Contact: Susan Vivell, UCLA Multi-Campus Division of Geriatric Medicine, Dept 32-144 CHS, Los Angeles 90024-1686. (213) 825-8255.

January 19-22—**Health Science Response to Child Maltreatment: 1989.** Children's Hospital & Health Center at Omni Hotel, San Diego. Thurs-Sun. 17 hrs. Contact: Continuing Medical Education Office, Children's Hospital, 8001 Frost St, San Diego 92123. (619) 576-4072.

January 20-22—**Urology and Gynecology for Primary Care Physicians.** UCSD at Hyatt Islandia Hotel, San Diego. Fri-Sun. 13 hrs. Contact: Edith S. Bookstein, UREF, PO Box 2586, La Jolla 92038. (619) 454-3212.

January 20-22—**Practical Dermatology and Dermatologic Office Procedures for the Primary Care Physician.** Continuing Medical Education Associates at San Diego Princess Resort. Fri-Sun. 20 hrs. \$425. Contact: Jacqueline Shiller, PO Box 84296, San Diego 92138. (619) 223-2997.

January 20-22—**Adolescent Medicine for the Practitioner.** Scripps Clinic and Research Foundation at La Jolla Marriott. Fri-Sun. 18 hrs. \$225. Contact: Bonny A. Mower, Conference Coordinator, Department of Academic Affairs, 400S, Scripps Clinic and Research Foundation, 10666 N Torrey Pines Rd, La Jolla 92037. (619) 457-8556.

January 27-29—**Diagnosis and Management of Respiratory Diseases.** Medical Education Resources at Bally's Grand Hotel, Las Vegas. Fri-Sun. Contact: Deborah Wilderson, Educational Coordinator, Division of CME, 5808 S Rapp St, Ste 202, Littleton, CO 80120. (800) 421-3756.

January 29-February 3—**Selected Topics in Family Practice.** Tropical Seminars at King Kamehameha Hotel, Kona, Hawaii. Sun-Fri. 20 hrs. Contact: Tropical Seminars, North Kitsap Medical Center, 20700 Bond Rd NE, Poulsbo, WA 98370-9099. (800) 441-4439.

(Continued on Page 538)

YOCON[®]

YOHIMBINE HCl

Description: Yohimbine is a 3a-15a-20B-17a-hydroxy Yohimbine-16a-carboxylic acid methyl ester. The alkaloid is found in Rubiaceae and related trees. Also in Rauwolfia Serpentina (L) Benth. Yohimbine is an indolalkylamine alkaloid with chemical similarity to reserpine. It is a crystalline powder, odorless. Each compressed tablet contains (1/12 gr.) 5.4 mg of Yohimbine Hydrochloride.

Action: Yohimbine blocks presynaptic alpha-2 adrenergic receptors. Its action on peripheral blood vessels resembles that of reserpine, though it is weaker and of short duration. Yohimbine's peripheral autonomic nervous system effect is to increase parasympathetic (cholinergic) and decrease sympathetic (adrenergic) activity. It is to be noted that in male sexual performance, erection is linked to cholinergic activity and to alpha-2 adrenergic blockade which may theoretically result in increased penile inflow, decreased penile outflow or both.

Yohimbine exerts a stimulating action on the mood and may increase anxiety. Such actions have not been adequately studied or related to dosage although they appear to require high doses of the drug. Yohimbine has a mild anti-diuretic action, probably via stimulation of hypothalamic centers and release of posterior pituitary hormone.

Reportedly, Yohimbine exerts no significant influence on cardiac stimulation and other effects mediated by B-adrenergic receptors. Its effect on blood pressure, if any, would be to lower it; however no adequate studies are at hand to quantitate this effect in terms of Yohimbine dosage.

Indications: Yocon[®] is indicated as a sympathicolytic and mydriatic. It may have activity as an aphrodisiac.

Contraindications: Renal diseases, and patient's sensitive to the drug. In view of the limited and inadequate information at hand, no precise tabulation can be offered of additional contraindications.

Warning: Generally, this drug is not proposed for use in females and certainly must not be used during pregnancy. Neither is this drug proposed for use in pediatric, geriatric or cardio-renal patients with gastric or duodenal ulcer history. Nor should it be used in conjunction with mood-modifying drugs such as antidepressants, or in psychiatric patients in general.

Adverse Reactions: Yohimbine readily penetrates the (CNS) and produces a complex pattern of responses in lower doses than required to produce peripheral a-adrenergic blockade. These include, anti-diuresis, a general picture of central excitation including elevation of blood pressure and heart rate, increased motor activity, irritability and tremor. Sweating, nausea and vomiting are common after parenteral administration of the drug.^{1,2} Also dizziness, headache, skin flushing reported when used orally.^{1,3}

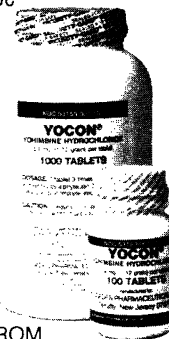
Dosage and Administration: Experimental dosage reported in treatment of erectile impotence.^{1,3,4} 1 tablet (5.4 mg) 3 times a day, to adult males taken orally. Occasional side effects reported with this dosage are nausea, dizziness or nervousness. In the event of side effects dosage to be reduced to 1/2 tablet 3 times a day, followed by gradual increases to 1 tablet 3 times a day. Reported therapy not more than 10 weeks.³

How Supplied: Oral tablets of Yocon[®] 1/12 gr. 5.4 mg in bottles of 100's NDC 53159-001-01 and 1000's NDC 53159-001-10.

References:

1. A. Morales et al., New England Journal of Medicine: 1221, November 12, 1981.
2. Goodman, Gilman — The Pharmacological basis of Therapeutics 6th ed., p. 176-188. McMillan December Rev. 1/85.
3. Weekly Urological Clinical letter, 27:2, July 4, 1983.
4. A. Morales et al., The Journal of Urology 128: 45-47, 1982.

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CONTINUING MEDICAL EDUCATION

(Continued from Page 535)

February 10-12—**58th Midwinter Clinical Conference.** Research Study Club at Moseley-Salvatori Conference Center. Fri-Sun. Contact: Research Study Club, PO Box J, South Pasadena 91030.

February 16-18—**The Practicing Physician's Approach to the Difficult Headache Patient.** Scripps Clinic and the Diamond Headache Clinic at Wyndham Hotel, Palm Springs. Thurs-Sat. 15 hrs. Contact: Idell Applebaum, Diamond Headache Clinic, 5252 N Western Ave, Chicago, IL 60625. (312) 878-5558.

February 17-19—**Office Gynecology for the Primary Care Physician.** Continuing Medical Education Associates at Hyatt Islandia, San Diego. Fri-Sun. 20 hrs. \$345. Contact: Jacqueline Shiller, PO Box 84296, San Diego 92138. (619) 223-2997.

February 25-March 4—**Update: Controversies in Emergency and Primary Care.** Scripps Memorial Hospital Encinitas at Royal Lahaina Resort, Maui, Hawaii. One week. 21 hrs. \$395. Contact: Edith S. Bookstein, AIPE, PO Box 2586, La Jolla 92038. (619) 454-3212.

March 3-5—**Asia Pacific Alzheimer's Disease Conference.** Pacific Islands Geriatric Education Center at Hilton Hawaiian Village, Honolulu, Hawaii. Fri-Sun. 21 hrs. \$300. Contact: Katherine Kim, Pacific Islands Geriatric Education Center, 347 N Kuakini St, Honolulu, HI 96817. (808) 523-8461.

March 5-8—**Asia-Pacific Osteoporosis Conference.** Kuakini Osteoporosis Center at Hilton Hawaiian Village, Honolulu, HI. Sun-Wed. 25 hrs. \$450. Contact: Shirley Kuma, KOC, 347 N Kuakini St, Honolulu, HI 96817. (808) 547-9578.

March 18-25—**Primary Care Medicine: Update '89.** UCSF at the Waiohohi, Kauai, Hawaii. 1 week. 20 hrs. \$465. Contact: UCSF.

March 19-22—**Annual Meeting of the Society for Adolescent Medicine.** Society for Adolescent Medicine at San Francisco. Sun-Wed. Contact: Edie Moore, 10727 White Oak Ave, Ste 101, Granada Hills 91344. (818) 368-5996.

April 8—**Antibiotics: 1989 and Beyond.** Grossmont District Hospital at Kona Kai and Tennis Resort, San Diego. Sat. 8 hrs. Contact: Verda Belyeu, CME Office, Grossmont Hospital, PO Box 158, La Mesa 92044. (619) 589-4153.

April 12-14—**39th Annual Course for Physicians in Family Practice: Family Practice Update 1989.** Mount Zion Hospital and Medical Center at San Francisco. Wed-Fri. \$325. Contact: Family Practice Course, Mount Zion Hospital and Medical Center, PO Box 7921, San Francisco 94120. (415) 885-7270.

April 13-15—**Recent Advances in Hemophilia Care.** The Hemophilia Treatment Center Orthopaedic Hospital at Los Angeles Hilton. Thurs-Sat. \$200. Contact: Nomi Feldman, Conference Coordinator, 3770 Tansy St, San Diego 92121. (619) 453-6222.

April 29-30—**The Cutting Edge 1989 Erotic Mysteries: Resolving Obstacles to Intimacy.** UCSD at San Diego Marriott Hotel & Marina. Sat-Sun. 12.5 hrs. \$295. Contact: Cass Jones, Meeting Management, 3770 Tansy St, San Diego 92121. (619) 453-6222.

May 19-20—**Medical Consequences of Alcohol and Other Drugs.** UCSD. Thurs-Fri. 9 hrs. \$105. Contact: UCSD.

NEW MEXICO

Information, requests for accreditation and items to be listed should be sent to the chairman of the CME Committee, New Mexico Medical Society, 303 San Mateo NE, Suite 204, Albuquerque, NM 87108 at least two months in advance. For information on CME accreditation or on the CME requirements of the New Mexico Board of Medical Examiners, please write to the above address or call (505) 266-7868.

NOTE: Course information in the following listing is subject to change on occasion. Check with the sponsoring institution for current details.

December 1-3—**American College of Physicians—New Mexico Scientific Meeting.** Hilton Hotel, Albuquerque. Thurs-Sat. Contact: UNM SOM, Office of CME, (505) 277-3942.

December 9-10—**Trauma Update '88.** Clarion Four Seasons Hotel, Albuquerque. Fri-Sat. Contact: UNM SOM, Office of CME, (505) 277-3942.

December 9-10—**Carrie Tingley Orthopaedic Seminar.** Journal Center Pyramid Holiday Inn, Albuquerque. Contact: Shirley Hagen, Carrie Tingley Hospital, 1127 University NE, Albuquerque 87102. (505) 841-5000.

January 21-22—**Family Practice Winter Seminar.** Journal Center Pyramid Holiday Inn, Albuquerque. Contact: NM Chapter, AAFP, PO Box 23070, Albuquerque 87192. (505) 298-5300.

February 24-26—**17th Annual New Mexico Thoracic Society Lung Disease Conference.** Taos. Contact: Billie Dytzel, NM Chapter, American Thoracic Society, 217 Truman NE, Albuquerque 87108. (505) 265-0732.

UTAH

This listing of continuing medical education courses in Utah is compiled and edited by the CME office of the Utah Medical Association. All courses listed have been certified by CME accredited institutions as meeting the criteria for Category 1 of the Physician's Recognition Award of the American Medical Association. They also must meet the definition of Utah Approved CME Credit for the purpose of medical license reregistration in Utah. Accredited institutions wishing to list AMA Category 1/Utah Approved CME courses here should send information at least two months in advance to the Office of Continuing Medical Education, 540 East Fifth South, Salt Lake City, Utah 84102; or phone (801) 355-5290. For information on CME accreditation or on the CME requirements of the Utah Physicians' Licensing Board, please write the CME office at the above address.

NOTE: Course information in the following listing is subject to change on occasion. Check with the sponsoring institution or the CME office for current details.

SPONSORS OF COURSES—ABBREVIATIONS

- AHA: American Heart Association, Utah Affiliate, 645 E 400 South, Salt Lake City 84102. (801) 322-5601.
- BYUHS: Brigham Young University Health Services, McDonald Student Health Center, Brigham Young University, Provo 84602. (801) 378-2771.
- CH: Castleview Hospital (formerly Carbon Hospital), RFD 2, Box 46, Price 84501. (801) 637-4800.
- CWH: Cottonwood Hospital, 5770 S 300 East, Salt Lake City 84101. (801) 262-3461.
- DMC: Dixie Medical Center, 544 S 400 East, St George 84770. (801) 673-9681.
- HCH: Holy Cross Hospital, 1045 E First South, Salt Lake City 84102. (801) 350-4744.
- ITS: Intermountain Thoracic Society, 1616 S 11th East, Salt Lake City 84105. (801) 484-4456.
- LDSH: LDS Hospital, 8th Ave and "C" St, Salt Lake City 84143. (801) 321-1100.
- LRH: Logan Regional Hospital, 1400 N 5th East, Logan 84321. (801) 752-2050.
- MDH: McKay-Dee Hospital Center, 3939 Harrison Blvd, Ogden 84409. (801) 399-4141.
- MVH: Mountain View Hospital, 1000 E Highway 6, Payson 84651. (801) 465-9201.
- 144: 144th Evacuation Hospital, PO Box 8000, Salt Lake City 84108. (801) 524-3924.
- OSS: Ogden Surgical Society, PO Box 9311, Ogden 84409.
- PCMC: Primary Children's Medical Center, 320 12th Ave, Salt Lake City 84103. (801) 363-1221.
- PVH: Pioneer Valley Hospital, 3460 S 4155 West, West Valley City 84120. (801) 968-9061.
- SMH: St Mark's Hospital, 1200 E 3900 South, Salt Lake City 84117. (801) 268-7111.
- UOS: Utah Ophthalmological Society, 540 E 500 South, Salt Lake City 84102. (801) 355-7477.
- USH: Utah State Hospital, PO Box 270, Provo 84603-0270. (801) 373-4400.
- UUMC: University of Utah Medical Center, 50 N Medical Dr, Salt Lake City 84132. (801) 581-2258.
- UVRMC: Utah Valley Regional Medical Center, 1034 N Fifth West, Provo 84604. (801) 373-7850.
- VAMC: Veterans Administration Medical Center, 500 Foothill Dr, Salt Lake City 84148. (801) 582-1565.
- VVMC: Valley View Medical Center, 595 S 75 East, Cedar City 84720. (801) 586-6587.

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CONTINUING MEDICAL EDUCATION

(Continued from Page 538)

MEDICAL GRAND ROUNDS

Each Wed—8:00-9:00 a.m. Alternating between University of Utah Medical Center and VA Medical Center, Salt Lake City. Contact: William D. Odell, MD, PhD, Professor and Chairman, Dept of Internal Medicine, Univ of Utah, (801) 581-7606.

* * *

November 17-18—**Laser Surgery: Gastroenterology** (Sponsor: UUMC). Thurs-Fri. 11 hrs. Salt Lake City. Contact: Mike Johnson, (801) 581-3293.

December 1-2—**Laser Surgery: Angioplasty** (Sponsor: UUMC). Thurs-Fri. 11 hrs. Salt Lake City. Contact: Mike Johnson, (801) 581-3293.

January 6-8—**Hip and Knee Bioskills Workshop** (Sponsor: UUMC). Fri-Sun. 15 hrs. Snowbird. Contact: (801) 581-8664.

January 12-14—**Arthroscopic Surgery** (Sponsor: UUMC). Thurs-Sat. Phoenician Resort, Scottsdale, Arizona. Contact: (801) 581-7601.

January 14-21—**Special Problems in Athletic Injuries and Trauma** (Sponsor: UUMC). One week. Aston Genesis Resort, Park City. Contact: (801) 581-8664.

February 5-10—**A Practical Approach to Modern Chest and Musculoskeletal Radiology** (Sponsor: UUMC). Sun-Fri. Snowbird. Contact: (801) 581-7553.

February 7-10—**Family Practice Refresher Course** (Sponsor: UUMC). Tues-Fri. Red Lion Inn, Salt Lake City. Contact: (801) 581-8635.

February 12-17—**Update in Clinical Microbiology and Immunology** (Sponsor: UUMC). Sun-Fri. The Yarrow, Park City. Contact: (801) 581-8664.

February 22-25—**Pediatric Emergency Medicine** (Sponsor: UUMC). Wed-Sat. Salt Lake City Marriott. Contact: (801) 521-1311.

February 22-25—**Rigid Fixation and Craniofacial Anomalies** (Sponsor: UUMC). Wed-Sat. Snowbird. Contact: (801) 581-8664.

February 26-March 3—**A Practical Approach to Modern Chest and Musculoskeletal Radiology** (Sponsor: UUMC). Sun-Fri. Park City. Contact: (801) 581-7553.

March 1-4—**Update in Maternal Fetal Medicine** (Sponsor: UUMC). Wed-Sat. Contact: (801) 581-5501.

March 5-11—**Advances in Internal Medicine** (Sponsor: UUMC). Sun-Sat. Snowbird. Contact: (801) 581-8664.

WASHINGTON

This listing of continuing medical education programs in Washington state is compiled by the Washington State Medical Association. To list Category 1 programs here please send information at least two months in advance to Continuing Medical Education, Washington State Medical Association, 2033 Sixth Avenue, Suite 900, Seattle, WA 98121; or phone (206) 441-WSMA.

Brochures and registration forms are available from the contact person or organization listed at the end of each course or in the list of course sponsors and contact information.

November 18—**The Injured Knee: Diagnosis, Treatment & Rehabilitation**. Seattle. Fri. Contact: VMMC.

December 9—**Practical Pediatrics**. Seattle. Fri. Contact: VMMC.

January 13—**Understanding Arrhythmias & Pacemakers: A Workshop for Practitioners**. Seattle. Fri. Contact: VMMC.

February 3—**Advances in Therapy of Hypertension**. Seattle. Fri. Contact: VMMC.

(Continued on Page 631)



California Medical Association's 118th Annual Session &

Western Scientific Assembly

March 3-8, 1989

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Western Scientific Assembly offers over 40 programs and workshops for physicians of all specialties, with topics from HIV Infection, clinical cardiology, skin and breast cancer to drug testing, sports medicine and flexible sigmoidoscopy



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For complete program and registration information call Sheri Sylvia at (415) 882-5184 or mail in the form below to:

California Medical Association
Attention: Sheri Sylvia
P.O. Box 7690
San Francisco, CA 94120-7690

Yes, please send me information on CMA's 1989 Annual Session.

Name _____

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City _____ State _____ Zip _____



AIDS— A Global Perspective

The short and remarkable history of AIDS epidemiology began in 1981 with the description of the clinical syndrome in California and New York. In the 6 years that have followed, intensive epidemiologic studies have defined the mode of spread of AIDS and laid the foundation for current control efforts. Serosurveys and retrospective clinical studies have been used to trace the temporal origins of the pandemic prior to 1981, while prospective studies and an increasingly comprehensive worldwide surveillance system have provided more accurate data for the years following 1981. AIDS cases have now been reported and investigated throughout the world.

This issue, from the Special Programme on AIDS of the World Health Organization, considers the methods and limitations of AIDS case reporting and HIV serologic studies, summarizes modes of HIV transmission, defines geographic patterns of spread, and examines the epidemiology of HIV infections by continent.

—Jonathan M. Mann, MD
Director,
Special Programme on AIDS
World Health Organization,
Geneva

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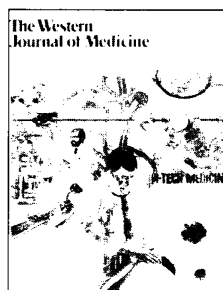


Medical Informatics

Iwould suggest that the computer in its relation to medicine is analogous to that of the microscope in the last century. . . . The analogous role that I believe the computer is now taking on is also that of a breakthrough tool—one enabling us to explore and better understand the informational and cognitive foundations of medicine. Its application to the classification and retrieval of data and to the management of information will result in a deeper insight into the structure of medical information and knowledge itself.

—Marsden S. Blois,
PhD, MD

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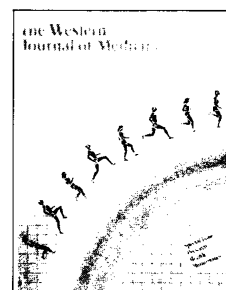


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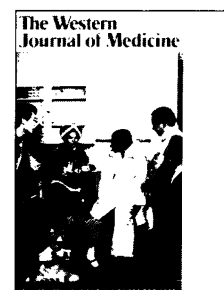


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(Continued from Page 626)

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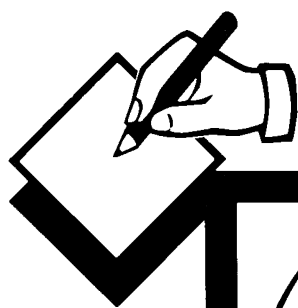
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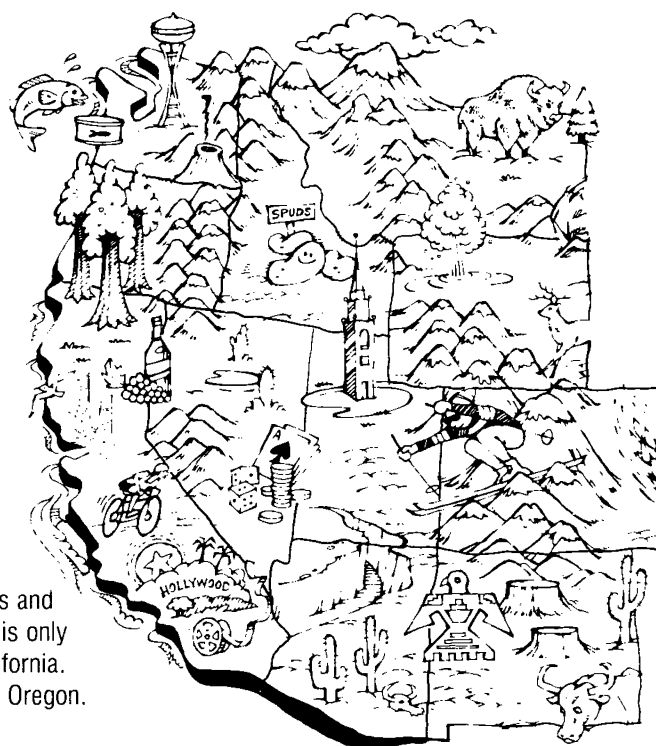
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